AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

Please replace paragraph 64 on page 16 of the specification with the following:

Based on information provided by the engine sensors, controller 100 may operate piezo electric device 78 and/or 89 in each valve actuation assembly 44 to change the actuation pattern of the intake and/or exhaust valves 32, 34 of engine 20 from the predetermined actuation ~~patter~~ pattern to a desired actuation pattern. For example, under certain operating conditions, controller 100 may implement a late intake Miller cycle in each cylinder 22 of engine 20. Under normal operating conditions, implementation of the late intake Miller cycle may increase the overall efficiency of the engine 20. However, under some operating conditions, such as, for example, when engine 20 is cold, controller 100 may operate engine 20 on a conventional diesel cycle.

Please replace paragraph 69 on page 18 of the specification with the following:

An exemplary late intake closing 108 is compared in Fig. 9 to [[an]] a closing 110 of the predetermined action pattern produced by the rotation of cam 60 . As shown, the intake valve actuation 106 is extended into a portion of the compression stroke of piston 24. This allows some of the air in cylinder 22 to escape as piston 24 begins the

compression stroke. The amount of air allowed to escape cylinder 22 may be controlled by adjusting the crank angle at which piston 74 exerts interfering pressure on rocker arm 64. Piston 74 may be engaged at an earlier crank angle to decrease the amount of escaping air or at a later crank angle to increase the amount of escaping air.